

WHAT IS CLAIMED IS:

1. An image reading apparatus comprising:
 - a light source for applying light to an image;
 - moving means for moving a unit including at least said light source;
 - photoelectric converting means for converting reflected light of said light source applied to an original into a voltage;
 - analog-digital converting means for converting an analog signal outputted from said photoelectric converting means into a digital signal; and
 - a driving signal generating part for supplying a driving signal to said photoelectric converting means and said analog-digital converting means;
- 15 wherein a moving speed of said moving means is not changed, but there are held a plurality of kinds of signal patterns supplied by said driving signal generating part.
- 20 2. An image reading apparatus according to Claim 1, wherein in the signal patterns supplied by said driving signal generating part, a frequency ratio between a certain mode and another mode is integer times.
- 25 3. An image reading apparatus comprising:
 - a light source for applying light to an image;

moving means for moving a unit including at least said light source;

photoelectric converting means for converting reflected light of the light source applied to an
5 original into a voltage;

analog-digital converting means for converting an analog signal outputted from said photoelectric converting means into a digital signal; and
10 a plurality of amplifying means for amplifying a signal outputted from said analog-digital converting means; and

switch means provided in a power source supplying part of predetermined one of the amplifying means, for effecting ON/OFF-control according to a
15 reading mode.